BENJAMIN J. CAYETANO
GOVERNOR OF HAWAII

LAWRENCE MIIKE
DIRECTOR OF HEALTH

STATE OF HAWAII
DEPARTMENT OF HEALTH
P O BOX 3378
HONOLULU, HAWAII 96801

In reply, please refer to:
HEER OFFICE

98-010-MM

January 9, 1998

Mr. Melvin Z. Waki
Department of the Navy
Pacific Division
Naval Facilities Engineering Command
Pearl Harbor, Hawaii 96860-7300

Dear Mr. Waki:

Subject: Dioxin Contamination at the Former Oahu Sugar Company Pesticide Mixing Facility, Waipio Peninsula, Oahu, Hawaii (U.S. Navy Property)

The Hawaii Department of Health Hazard Evaluation and Emergency Response Office is conducting a Preliminary Assessment/Site Inspection (PA/SI) on the Oahu Sugar Company Facility. Soil samples were taken at the former pesticide mixing facility area located on the Waipio Peninsula adjacent to Walker Bay in Pearl Harbor. Analytical results of the soil samples showed pentachlorophenol contamination and dioxin as a tentatively identified compound (TIC). Three of these soil somples were subsquently reanalyzed for dioxin with the results at 98.9ppb, 1530ppb and 234ppb for 2,3,7,8 TCDD toxicity equivalents (see attachment 1).

These extremely high levels of dioxin contamination on the site are of great concern because of their high toxicity and persistence in the environment. These highly toxic compounds are common contaminants found in the pesticide pentachlorophenol.

The cancer risk estimates greatly exceed the upperbound acceptable risk level of 1 x 10-4 indicating a potential for imminent and substantial health risks from exposure. A preliminary estimation of the excess cancer risk from chronic exposure to dioxins in the soil at the site, assuming industrial land use, is 6 x 10-2 (6 in one hundred or 60,000 in one million).

With the serious threat posed by the dioxin contaminated soil at the former pesticide mixing area, the Department of Health is strongly recommending that the Navy, as the property owner, take immediate action to fully secure the dioxin contaminated area to prevent any human exposure to the highly toxic contaminant. The Department also recommends that warning/restriction signs be

EIS 98-36

posted around the contaminated area to warn people of the hazard and keep them from entering the area.

We ask that you keep us advised about the actions you are taking to secure the contaminated area and posting of warning signs. We also ask for your participation at future meetings with Oahu Sugar Company (Amfac) and the Department of Health to establish what actions must be taken to address the dioxin contamination at the former pesticide mixing site.

If you have any questions on this matter, please contact Mr. Michael Miyasaka at 586-4698.

Sincerely,

Bryce Hataoka

BRYCE HATAOKA, Acting Manager
Hazard Evaluation and Emergency Response Office

Attachment

c: Mr. Lewis Mitani, EPA Region IX

OPTIONAL FORM 99 (7-90)

FAX TRANSMITTAL # of pages ▶ 5

To AMY BAYLOR	From DAWN RICHMOND
Dept./Agency DOH	Phone # 415-244-1494
Fax # 808 586 2537	Fax # 415-244-1476

NSN 7540-01-317-7368 5099-101 GENERAL SERVICES ADMINISTRATION

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KANSAS CITY

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December 19, 1997

MEMORANDUM

SUBJECT: SAL06 Soil PCDD/PCDF Samples

FROM: Jeff Archer, Chemist
Analytical Operations, Regional Laboratory
Environmental Services Division

THRU: Robert Greenall, Program Manager
Analytical Operations, Regional Laboratory
Environmental Services Division

Andrea Jirka, Manager
Regional Laboratory
Environmental Services Division

TO: Dawn Richmond, Chemist
Quality Assurance, PMD-3, Region 9

The attached memo describes qualifiers that are used with the values found in the Oahu Sugar extracts. As discussed on the telephone, most values are considered to be estimates. The concentrations are shown on the additional attachment "Analysis Request Supplement Report." The samples were renamed with a Region 7 activity number SAL06. The numbers correspond as follows:

Region 9#	Region 7#
WPSS3	SAL06001
WPSS4	SAL06002
WPSS5	SAL06003
MLSS1	SAL06004
MLSS4	SAL06005

Please contact me at (913) 551-5099 or E-mail at archer.jeffrey@epamail.epa.gov.

Attachments

Attachment 1

RECYCLE